

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| First Named Inventor: | : | Confirmation No.: 1232 |
| SHIMIZU, Clifford | : | Group Art Unit: 2629 |
| Serial No.: 10/713,321 | : | Examiner: FATAHI YAR, Mahmoud |
| Filed: November 14, 2004 | : | |
| For: SYSTEMS AND METHODS FOR DISPLAYING INDIVIDUAL PROCESSOR USAGE IN A MULTIPROCESSOR SYSTEM | | |

RESPONSE UNDER 37 C.F.R. §1.111

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SIR:

In response to the Office Action dated December 24, 2008, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 6 of this paper.

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A method comprising:

displaying on a display of a display device a first graphic ~~type~~ indicative of a processor usage for each one of at least two processors in a multiprocessor system, the processor usage comprising processor assignment, processor availability, and clustering; and

displaying on said display device a second graphic ~~type~~ indicative of an application assignment for each one of at least two application groups associated with each of said at least two processors.
2. (Previously Presented) The method as recited in claim 1 wherein said second graphic ~~type~~ comprises a color indicative of the application assignment for each one of the at least two application groups.
3. (Previously Presented) The method as recited in claim 1 further comprising a graphic indicator indicating a group of said at least two processors wherein said group is indicative of a processor clustering.
4. (Previously Presented) The method as recited in claim 1 further comprising a graphic indicator of processor utilization associated with each of said at least two processors.
5. (Original) The method as recited in claim 4 wherein said graphic indicator comprises a gauge.
6. (Previously Presented) The method as recited in claim 5 wherein the gauge includes bands that reflect ranges of processor utilization.
7. (Previously Presented) The method as recited in claim 4 wherein said graphic indicator comprises a bar.
8. (Previously Presented) The method as recited in claim 1 wherein blocks associated with the second graphic ~~type~~ indicate an application group assigned to a processor.
9. (Previously Presented) The method as recited in claim 1 wherein each one of the at least two application groups comprises at least one independently, computer-executable process.
10. (Currently Amended) An apparatus comprising:

a memory;

a display device in electrical communication with a multiprocessor system having at least two processors, the display device having a display;

computer-executable instructions stored in said memory and operable to display on said display device a first graphic ~~type~~ indicative of a processor usage for each one of the at least two processors, the processor usage comprising processor assignment, processor availability, and clustering; and

computer-executable instructions stored in said memory and operable to display on said display device a second graphic ~~type~~ indicative of an application assignment for each one of at least two application groups associated with each of said at least two processors.

11. (Previously Presented) The apparatus as recited in claim 10 wherein said second graphic ~~type~~ comprises a color indicative of the application assignment for each one of the at least two application groups.
12. (Previously Presented) The apparatus as recited in claim 10 further comprising a graphic indicator indicating a group of said at least two processors wherein said group is indicative of a processor clustering.
13. (Previously Presented) The apparatus as recited in claim 12 further comprising a graphic indicator of processor utilization associated with each of said at least two processors.
14. (Original) The apparatus as recited in claim 13 wherein said graphic indicator comprises a gauge.
15. (Previously Presented) The apparatus as recited in claim 14 wherein the gauge includes bands that reflect ranges of processor utilization.
16. (Previously Presented) The apparatus as recited in claim 13 wherein said graphic indicator comprises a bar.
17. (Previously Presented) The apparatus as recited in claim 10 wherein blocks associated with the second graphic ~~type~~ indicate an application group assigned to a processor.

18. (Previously Presented) The apparatus as recited in claim 10 wherein each one of the at least two application groups comprises at least one independently, computer-executable process.
19. (Previously Presented) A computer-readable medium bearing computer readable instructions for carrying out the acts comprising:
- displaying on a display of a display device a first graphic ~~type~~ indicative of a processor usage for each one of at least two processors in a multiprocessor system, the processor usage comprising processor assignment, processor availability, and clustering; and
- displaying on said display device a second graphic ~~type~~ indicative of an application assignment for each one of at least two application groups associated with each of said at least two processors.
20. (Previously Presented) The computer readable medium as recited in claim 19 wherein said second graphic ~~type~~ comprises a color indicative of the application assignment for each one of the at least two application groups.
21. (Previously Presented) The computer-readable medium as recited in claim 19 further comprising a graphic indicator indicating a group of said at least two processors wherein said group is indicative of a processor clustering.
22. (Previously Presented) The computer-readable medium as recited in claim 19 further comprising a graphic indicator of processor utilization associated with each of said at least two processors.
23. (Original) The computer-readable medium as recited in claim 22 wherein said graphic indicator comprises a gauge.
24. (Original) The computer-readable medium as recited in claim 23 wherein said gauge comprises bands that reflect ranges of processor utilization.
25. (Previously Presented) The computer-readable medium as recited in claim 22 wherein said graphic indicator comprises a bar.
26. (Previously Presented) The computer-readable medium as recited in claim 19 wherein blocks associated with the second graphic ~~type~~ indicate an application group assigned to a processor.

RESPONSE

Examiner: **FATAHI YAR, Mahmoud**

Serial No. **10/713,321**

Atty. Docket No.: **03-006**

27. (Previously Presented) The computer-readable medium as recited in claim 19 wherein each one of the at least two application groups comprises at least one independently, computer-executable process.

REMARKS/ARGUMENTS

Claims 1-27 are currently pending. Applicant acknowledges receipt of the above-referenced Office Action and respectfully traverses the Office Action in its entirety. However, in an effort to expedite allowance of the currently pending claims, Applicant has amended independent claims 1, 10, and 19 to more clearly describe the distinguishing characteristics thereof.

REJECTIONS UNDER 35 U.S.C. §112

Claims 1, 10, and 19 stand rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. More particularly, it was asserted that the use of the word “type” in the phrase “first graphic type” and second graphic type” extended the scope of the expression so as to render it indefinite. Applicant respectfully traverses, however, as this is a relatively minor typographical/stylistic issue, Applicant has amended the claims to refer to a first graphic and second graphic. Applicant therefore respectfully requests that the rejection be withdrawn and that a Notice of Allowance be issued.

CONCLUSION

Having responded to all objections and rejections set forth in the outstanding Office Action, it is submitted that the currently pending claims are in condition for allowance and Notice to that effect is respectfully solicited. Additional characteristics or arguments may exist that distinguish the claims over the prior art cited by the Examiner, and Applicants respectfully preserve their right to present these in the future, should they be necessary. In the event that the Examiner is of the opinion that a brief telephone or personal interview will facilitate allowance of one or more of the above claims, he is courteously requested to contact applicant's undersigned representative.

AUTHORIZATION

The Commissioner is authorized to charge any additional fees associated with this filing, and credit any overpayment, to Deposit Account No. 19-3790. If an extension of time is required, this should be considered a petition therefor. If the fees associated with a Request for Continued Examination are filed herewith, this should be considered a petition therefor.

Respectfully submitted,

/ James E. Goepel /

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